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Notice of Allowability

Application No.

10/849,507

Examiner

Ernest F. Karlsen

Applicant(s)

BJORN, LARS N.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response of October 17, 2005.
2. ☒ The allowed claim(s) is/are 11-13.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

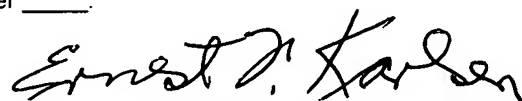
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |



**ERNEST KARLSEN
PRIMARY EXAMINER**

Claims 1-10 and 14-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected inventions and/or species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on October 17, 2005.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

This application is in condition for allowance except for the presence of claims 1-10 and 14-17 to inventions and/or species non-elected without traverse. Accordingly, claims 1-10 and 14-17 have been cancelled.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: No reference was found anticipating or a combination of references found making obvious a method of measuring high voltage current in electrical conductors, the method comprising: providing a light source selected from the group consisting of at least one of an LED based light source and an incandescent light source, providing a first optical conduit being a first optical fiber, the first optical conduit conducting light emitted from the light source, providing an optical electric current measurement device comprising: a housing defining a first open end and a second open end opposite the first open end, a first sealing means having an aperture, the first sealing means having an overall geometrical

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configuration corresponding to the overall geometrical configuration of the first open end of the housing, the first sealing means further comprising an aperture adapted for receiving the first optical fiber, a first fixture means for fixating the first optical fiber, a first optical lens having a reception part adapted for receiving the first fixture means for mounting the first optical fiber in optical continuation with the first optical lens, the first optical lens mounted in the housing, a first polarisation filter mounted in the housing in optical continuation with the first optical lens, a glass rod received in and encapsulated within the housing in optical continuation with the first polarisation filter, the glass rod being constructed from a material having magneto-optical properties, a second polarisation filter mounted in the housing in optical continuation with the glass rod, a second optical lens mounted in the housing in optical continuation with the second polarisation filter, the second optical lens adapted for receiving a second fixture means, a second fixture means for fixating a second optical fiber, the second fixture means received in the second optical lens, a second sealing means for sealing the second end of the housing, the second sealing means having an aperture for receiving a second optical fiber, the second sealing means mounted in the second end of the housing end, and a first and second lid adapted for fixation to the first and second end, respectively, of the housing, the first and second lid including an aperture for receiving the first and second optical fiber respectively, the optical electric current measurement device receiving the light from the first optical conduit, a second optical conduit being the second optical fiber, the second optical conduit receiving the light emitted from the optical electric current measurement device, providing a detection means for detecting

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the light emitted from the second optical conduit and converting the received light to an electrical signal, providing a processing means for processing the electrical signal from the detection means, providing a current measurement system for performing calibration measurements for the system, and providing a first communications means.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Examiner's Comments

Claims 11-13 are allowed.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Feltkeller, Miller et al, Doerfler et al, Freeman and Lanagan et al are all cited to show prior art current sensors using fiber optic elements, polarizers, and magneto-optic elements.

Any inquiry concerning this communication should be directed to Ernest F. Karlsen at telephone number 571-272-1961.

Ernest F. Karlsen

December 20, 2005


ERNEST KARLSEN
PRIMARY EXAMINER